

**ABSTRACT**

Methods and systems are provided for identifying the flow of data between a source and destination in a network. A pair of flow monitors may identify a plurality of data packets flowing between a pair of measuring points in a network.

- 5 The flow monitors may then compare address information of each identified data packet. When the flow monitors identify matching addresses through the comparison, the addresses of the corresponding data packets are associated with the flow between the measuring points. Once the flow between the pair of measuring points is identified, the flow monitors may compare the header
- 10 information of the data packets associated with the flow to determine the direction of the flow between the measuring points.